[Mr. E. K. Kunjuraman.]

(*b*) if they are in receipt of the revised estimate, what is the sum mentioned in it; and

(*c*) if not, the reason for the delay?

MR. G. B. E. TRUSCOTT (*Chief Engineer, Roads, Buildings and Irrigation*):

(*a*) A revised estimate for the construction of an R. C. bridge has been prepared in the Chief Engineer's Office and will be forwarded to Government shortly.

(*b*) The amount of estimate is Rs. 15,000.

(*c*) This does not arise in view of answer to part (*a*).

Pallivasal Hydro-Electric Works.

342. ***MR. K. PADMANABHAN** (*Chirayinkil I*): Will the Government be pleased to state:

(*a*) whether the Pallivasal Hydro-Electric works have been recently inspected and examined by a European Engineer; and

(*b*) if the answer to part (*a*) is in the affirmative, (i) the circumstances which necessitated such an inspection and examination, and (ii) the expenses incidental thereto?

MR. T. C. THOMMEN (*Secretary to Government*):

(*a*) Yes. By Signor Angelo Omodeo, an Italian Engineer in 1935 and by Signor Marcello in 1936.

(*b*) (i) It was considered desirable to obtain expert advice on two important items of the Pallivasal Hydro-Electric Project, *viz.*, the Head Works and Fore-bay. The services of the Italian Engineer were engaged for the investigation of Hydraulic problems in the State and his visit for that purpose was taken advantage of to obtain his expert advice on the above two works.

(ii) Rs. 8,125.

The Pallivasal Hydro-Electric Scheme.

343. ***MR. K. PADMANABHAN** (*Chirayinkil I*): Will the Government be pleased to state with reference to the Pallivasal Hydro-Electric Scheme:

(*a*) how far the work has progressed;

(*b*) the total outlay so far;

(*c*) how long it would take to finish the works;

(*d*) the officers in charge of the works; and

(*e*) the endeavour so far made to find out markets for the consumption of electricity?

MR. T. C. THOMMEN (*Secretary to Government*): (*a*) The progress of the various works is detailed below:

1. *Head Works.* The designs of these works have been finally settled and construction will be started immediately. It is expected that these works will be completed in all respects before April 1937. Nevertheless the Hydro-Electric Plant could be put in operation much earlier as a subsidiary intake which forms part of the Head Works is expected to be taken up and completed before January 1937.

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2. *Tunnel.* The tunnel-driving was completed in February 1936. Arrangements are in progress for concreting, lining and grouting which will be completed by about the end of October 1936.

3. *Fore-bay.* The excavation is completed. The works in connection with the joining of the penstocks with the Tunnel will be taken up after the monsoons and completed by November 1936.

4. *Penstock.* The pipe lines have been completed from intake down to the Power House to a length of 7,089 feet. The remaining portion of the pipe-line to be completed is about 358 feet. This work will be taken up after the monsoons and completed before November 1936.

5. *Power House.* (*a*) The building and machine foundations are practically completed ; only the finishing works remain to be done.

(*b*) The Drainage for the sub-soil water is in progress and is expected to be completed within another two months.

(*c*) Tail race for discharging the water from the Turbines to the river is in progress and this will be completed before September next.

(*d*) The out-door sub-station equipment is all completed.

(*e*) The installation of the machinery in the Power House is in progress. The erection will be completed before September 1936.

(*f*) The switchboard erection is completed. The wiring is expected to be ready within four months.

6. *66 K. V. Transmission Line.* Out of a totel length of nearly 90 miles, 80 miles of line bave been completed. The remaining 10 miles will be completed within a month.

7. *66 K. V. Sub-stations at Pallom, Kothamangalam and Alwaye.* The works in connection with these are in progress. All the materials required to complete the equipment are shipped from manufacturers' works and are expected to arrive here in May. The erection is expected to be completed by the end of September 1936.

8. The construction of the II K. V. sub-stations is being started. All the equipment for these stations are expected to reach the site before the end of May. The stations and their equipments are expected to be completed in all respects before October 1936.

9. *L. T. Distribution.* The work in connection with this is proposed to be taken up in June and completed before November 1936.

(*b*) The total outlay incurred on the work till the end of Kumbham 1111 is Rs. 43,76,799-22-10.

(*c*) It is expected that the works will be completed in all respects by April 1937, although it is possible to commence supply in January 1937. This is of course on the assumption that there will not be any unforeseen difficulties.

(*d*) The Gazetted officers in charge of the work are—

Messrs. K. P. P. Menon, Electrical Engineer.
N. V. Dorofeeff, Resident Engineer (Tunnel and Civil Works).

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[Mr. T. C. Thommen.]

E. Sivaraman Nair, Civil Assistant Engineer, Civil Works at Pallivasal.

P. Joseph John, Assistant Electrical Engineer, Power House and Drawing Office.

K. E. Pothen, Sub-Engineer, (Transmission).

(*e*) A considerable amount of spade work has been done in connection with securing prospective consumers; and although no agreement has so far been executed (as it is still premature) there is an assured market for about 1,500 H. P. in the High Ranges and 600 H P. in Alleppey and in addition to a large number of small power consumers in the various points on the distribution system. It has been found from experience that to book consumers in advance before the supply is actually started is not often feasible. The consumers will come in only after the supply is installed and the system begins to function regularly. There are, however, definite hopes of booking at least 4,000 H. P. within the course of a year of the starting of the supply.

Head Translator to Government.

344. ❋MR. S. THIRAVIAM NADAR (*Agastiswaram*): Will the Government be pleased to state:

(*a*) whether the Ag. Head Translator to Government or the Ag. Assistant Head Translator to Government has any Tamil qualification to supervise Tamil translation.

(*b*) if the answer to part (*a*) is in the negative, why; and

(*c*) whether there are any applicants qualified properly for the same?

RAO SAHIB DR. N. KUNJAN PILLAI (*Chief Secretary to Government*): (*a*) The Head Translator to Government is sufficiently qualified to supervise Tamil translation.

(*b*) and (*c*) These do not arise in view of the answer to part (*a*).

Treatment of Mr. C. Kesavan in Jail.

345. ❋MR. K. PADMANABHAN (*Chirayinkil I*): Will the Government be pleased to state whether Mr. C. Kesavan is treated like ordinary criminals in the Jail?

RAO SAHIB DR. N. KUNJAN PILLAI (*Chief Secretary to Government*): He is treated as an ordinary prisoner undergoing simple imprisonment.

Office staff of the Electrical Engineer.

346. ❋MR. K. MAHOMED (*Alwaye*): Will the Government be pleased to state:

(*a*) how many graduate and under-graduate clerks there are in the office of the Electrical Executive Engineer, Trivandrum, and Quilon and

(*b*) of these how many are Muslims, Hindus, Christians and Ezhavas?

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